

Outline of Contents  
(Titles underlined)

not included  
in title

THE STUDY OF A CAVE IN LIMESTONE ✓

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(Professor Atwood's chalk illustrations are reproduced  
by moving pictures)

Chalk illustrations: Mountains and narrow valley between  
shown in perspective in the center of a cross section of  
the same, showing the strata of limestone.

Water passing through cracks dissolves away some of the rock

Chalk illustration resumed: "Cracks" in the earth, "Rain"  
and the seepage of the rain thru the cracks to the lime-  
stone below the surface are shown.

In time underground tunnels and large rooms are made

Chalk illustration resumed: Two "caves" are shown formed  
in the limestone

The drops of water that come through the ceiling may evaporate and  
leave tiny bits of crystal lime clinging there. More and More is  
added until an icicle-like form is made

Chalk illustration resumed: the Position of "Stalactites" -  
the icicle-like formations - is shown

Water that drops to the floor may evaporate and build up stalagmites  
of crystal lime

Chalk illustration resumed: "Stalagmite" positions drawn in

The rooms in caves are sometimes very large, and often have rivers  
or even lakes in them

Chalk illustration: vertical cross section of room in cave  
drawn, showing irregular side walls

In these rooms beautiful crystal forms are made by dripping water

Chalk illustration, cross section of cave room, resumed.  
Crystal stalactite and stalagmite formations drawn in,  
some of them shown touching so as to form a column. Within  
this cross section and within a picture frame, a perspective  
of the floor surface of the room is shown and the course of  
the river bed drawn.

Caves may be close to the surface, or perhaps hundreds of feet underground. If ceiling is thin, it may become weakened and collapse

Latter chalk illustration resumed: the "ceiling" made thicker

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